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ALBERTANCE OF ANTERIOR

Rogers Delinted Cottonseed Company

Wilhereas, there has been presented to the

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF SEVENALELY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. IT THE UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS CLASS OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS UFIED BY THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

COTTON

'Rogers GL-6'

In Icstimony Wincrest, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington this 18th day of January in the year of our Lord one thousand nine hundred and seventy-four

Karl L. But

Genetary of Socientina

Allast.

Commissioner Plant Variety Protection Offic G

Agricultural Marketing Services

(DATE)

FORM APPROVED OMB NO. 40-R3712

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

1. VARIETY NAME OR TEMPORARY	2. KIND NAME	FOR OFFIC	FOR OFFICIAL USE ONLY PVPO NUMBER	
DESIGNATION		PVPO NUMBER		
Rogers GL-6	Cotton		2059	
3. GENUS AND SPECIES NAME	4. FAMILY NAME (Botanical)	FILING DATE	TIME	
Gossyp iy m hirsutum L.	Malvaceae	12.10.71	/: 30 P.M.	
	5. DATE OF DETERMINATION	FEE RECEIVED	CHARGES .	
	May, 1967	[\$ 750		
6. NAME OF APPLICANT(S)	7. ADDRESS (Street and No. or R.F. Code)	D. No., City, State, and ZIP	B. TELEPHONE AREA	
ogers Delinted Cottonseed C	Boy 13/0 Uses Tayle	76703		
ogera perinted coctonaged o	(625 Peach St.)	0705	817-752-0328	
	Today Today		017-752 0520	
			•	
9. IF THE NAMED APPLICANT IS NOT A I ORGANIZATION: (Corporation, partnersh	PERSON, FORM OF 10. STATE O	FINCORPORATION	11. DATE OF INCOR-	
Corporation	Texa	ıs	July 1, 1949	
12. Name and mailing address of app.	licant representative(s), if any, to	serve in this application a	and receive all papers	
Dr. E. N. Stiver	The state of the s			
P.O.Box 1340				
Waco, Texas 76703			7-7-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	
•				
New Year				
13. CHECK BOX BELOW FOR EACH ATTA	PUNCHT FURWITTED			
128. Exhibit B, Botanical De				
-			•	
X 12D. Exhibit D, Data Indicati	ve of Novelty			
X 12E. Exhibit E, Statement of t	he Basis of Applicant's Ownership		• • •	
The applicant declares that a viable ance of a certificate and will be rep (See Section 52, P.L. 91-577).	lenished periodically in accordance	e with such regulations as	s may be applicable.	
14A. Does the applicant(s) specify th	at seed of this variety be sold by			
	(If "Yes," answer 14B and 14C b		paletter 11/21/	
148. Does the applicant(s) specify the	and the state of t	s," to 14B, how many gene	erations of production	
limited as to number of generati	en en german de la grande de la compaña de	breeder seed?	· · · · · · · · · · · · · · · · · · ·	
Applicant is informed that false repr	YES NO		1.	
reportant is informed that talse repr	esentation herein can jeopardize p	rotection and result in per	nalties.	
The undersigned applicant(s) of this	sexually-reproduced novel plant a	ariety helieves that the w	wipty is distinct	
uniform, and stable as required in Se	ection 41 and is entitled to protect	ion under the provisions of	Section 42 of the	
Plant Variety Protection Act (P.L.	01-577).	The provisions of	1 00000011 42,01 1110	
and the second s			•	
(DATE)	<u>1 </u>	ليستعمل والمحاكمة والأماكي المبير ويروان		
(DATE)		SIGNATURE OF APPLICA	(NT)	
	Ro	gers Delinted Cott	onened Co	

(SIGNATURE OF APPLICANT)

UNITED STATES DEPARTMENT OF AGRICULTURE CONSUMER AND MARKETING SERVICE GRAIN DIVISION HYATTSVILLE, MARYLAND 20782

FORM APPROVED OMB NO. 40-R3712

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: See Reverse. 1. VARIETY NAME OR TEMPORARY	2. KIND NAME	FOR OFFIC	IAL USE ONLY	
DESIGNATION		PVPO NUMBER		
Pocess CI-6	Cotton	7.	20 <i>5</i> 4	
Rogers GL-6	4. FAMILY NAME (Botanical)	FILING DATE	TIME	
Gossypium hirsutum L.	Malvaceae	12.10.71	1:30 P.M.	
Ansahram mrantam n.	5. DATE OF DETERMINATION	FEE RECEIVED	CHARGES	
	May, 1967	s 750		
NAME OF APPLICANT(S)	7. ADDRESS (Street and No. of R.F.	D. No., City, State, and ZIP	8. TELEPHONE AREA	
DIONER 199	breedowy) is a compact aroug	on leading the first of the control	CODE AND NUMBER	
gers Delinted Cottonseed C	O. BOX 1340 Waco Texas	76703 ^{64 (\$15.5})		
•	(625 Peach St.)		817-752-0328	
	o ns, c beminat tears, ord:	. ,		
•	ក្នុង ដែលមេត្តស្រា ប្រកព្ កព្ ប bp			
. IF THE NAMED APPEICANT IS NOT'A	PERSON, FORMOF 11 1 10. STATE O	FINCORPORATIONS NO	11. DATE OF INCOR-	
ORGANIZATION: (Composition, parimers)	plantagou ration and the of Env	化基本水平 网络新科兰的诗诗	PORATION 7111111	
Corporation	Tex		July 1, 1949	
2. Name and mailing address of an	licant representative(s), if any, to	serve in this application	and receive all paper	
Dr. E. N. Stiver	licant representative(s), if any, to	हाश ्च ा सुस्त्री विकेश सुष्य —		
Wash Tayes 76703	or compare the first a residence	1. 生人以 6 1 20 - 121 - 341 - 35	3 t	
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3. CHECK BOX'BELOW FOR EACH ATT	CHMENT SUBMITTED:			
X 12D. Exhibit D, Data Indicat	ive of Novelty the Basis of Applicant's Ownersh	resultante de la companya de la comp La companya de la co		
THE PARTOIC E, Statement of	the Basis of Applicant's Ownerships (Q5 2 1777)	क्षा र महत्त्व विद्या विद्यार र क्ष	·	
The applicant declares that a viab	e sample of basic seed of this var	iety will be deposited upor	request before issu-	
ance of a certificate and will be re	plenished periodically in accordan	ce with such regulations a	s may be applicable.	
(See Section 52, P.L. 91-577).	• •		∞H	
14A. Does the applicant(s) specify (hat seed of this variety be sold by	variety name only as a cl	ass of certified seed	
(See Section 83(a), P.L. 91-57	7)([[''Yes,'' answer 14B and 14C	below.) YES NO	Or letter 11/21	
148. Does the applicant(s) specify-	that this variety be 140. If Y	es," to 14B, how many ge	derations of production	
limited as to number of genera	rions? William beyon	d breeder seed?	ter englis	
,	YES INO	entropy that the transfer of the specific of the	<u> </u>	
Applicant is informed that false re	presentation herein can jeopaidize	protection and result in pe	nalties.	
	, ·	-		
The undersigned applicant(s) of th	is sexually-reproduced novel plant	variety believes that the	variety is the tinct,	
uniform, and stable as required in	Section 41 and is entitled to protec	tion under the provisions	of Section 42; of the	
Plant Variety Protection Act (P.L.	91-577). 38 73 6 76 13 (m)	in A		
		Con the		
1 Joseph G. 19	<u> </u>	Swan of Stw	<u>ې</u>	
(DATE)		(SIGNATURE OF APPLIC	ANT)	
	g.	ogers Delinted Cot	tonseed Co.	
FORM RW-470 (CDV2.R) FF		- 3 11 50 ST 1 CV		
(DATE)		(SIGNATURE OF APPLI	SPORT I	
		and the second		

Constructions The interpretation of the int



GENERAL: Send an original copy of the application, exhibits and \$50.00 fee to U.S. Dept. of Agriculture, Consumer and Marketing Service, Grain Division, Hyattsville, Maryland 20782. Retain one copy for your files. All items on the face of the form are self-explanatory unless noted below.

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Insert the date the applicant determined that he had a new variety.

- 12a First, give the geneal ogy, including public and commercial varieties, lines, or clones used, and the breeding method. Second, give the details of subsequent stages of selection and multiplication. Third, indicate the type and frequency of variants during reproduction and multiplication and state how these variants may be identified. Fourth, provide evidence on stability.
- 12b First, give any special characteristics of the seed and of the plant as it passes through the seedling stage, flowering stage and the fruiting stage. Second, describe the mature plant and compare it with a similar commercial variety grown under the same conditions, and indicate the differences.
 - 12c A supplemental form will be furnished by the PVPO to describe in detail a variety for each kind of seed.
- plant specimens may be submitted and seeds submitted may be sterile. Where possible, include photographs of plant comparisons, chemical tests, etc.
- 12e Indicate whether applicant is the actual breeder, the employer of the breeder, the owner through purchase or inheritance, etc.

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Exhibit A, Origin and Breeding History of the Variety

1. Geneology:

W6 X DES 15 (3BC) X W6 X DES 15 (3BC)
Del Cerro Lankart Selection 57

W6I Watson Stormproof B-29

DES 15 - M8949, a doubled haploid of Deltapine 14. See letter

Del Cerro & Lankart Selection 57 = Upland cotton varieties 3 BC signified three back crosses, indicating the breeding method.

2. Selection and Multiplication

Plant selection of lines from the above cross were made with regard to stormproof boll, boll size, fiber quality, glandlessness, and uniformity. This work was done by Mr. Walter R. Watson, Garland, Texas, beginning in 1961.

Progeny rows were evaluated and heavily rogued for each of the above characteristics. Similar lines were chosen in 1967 as being suitable as a variety, there being twelve or more generations - (summer and winter each year) background of selection pressure. These were then ready for increase.

In 1967, Mr. Walter Watson contracted with Rogers Delinted Cottonseed Co. of Waco, Texas, to continue the breeding program. Mr. Watson's GL-6 was then subjected to Multiple Disease Resistance procedures, ie, 54°F germination on agar plates with selection for non-molding and non-germinating seed; transplanting to greenhouse or field; inocuration of cotyledons in greenhouse or two high pressure sprayings in field with bacterial blight inoculum; selection for blight resistant plants; cycle repeated three times. Selected plants were increased in progeny rows and then bulked for breeder's seed block.

3. Type and frequency of variants

- a. Bacterial blight classified by Texas A & M as a tolerant to resistant variety. Blight lesions occur, but do not remain virulent.
- b. Partially glanded plants all lines must have produced a meal containing less than 0.045% gossypol. The glands occur as black "pepper spots" on the edge of the leaf, on the petiole and stem of the plant; in the seed, as small, black specks in the kernel.
- 4. This line has been accepted as a stable, uniform variety by the Texas State Seed and Plant Board on December 18, 1970. No seed have been sold pending outcome of <u>this</u> application.

UNITED STATES DEPARTMENT OF AGRICULTURE AGRICULTURAL RESEARCH SERVICE CROPS RESEARCH DIVISION BELTSVILLE, MARYLAND

Cotton and Cordage Fibers Research Branch

May 5, 1961

TO

: Cooperators who Requested Crosses Involving Pollen from Glandless Breeding Stocks in Iguala, 1960-61 Season

FROM

: H. D. Barker, Chairman
Iguala Steering Committee

SUBJECT: Identification of Genotypes of Pollen Sources

A memorandum dated December 8, 1960 announced the availability at Iguala of pollen from glandless breeding stocks. Requests for crosses were received from seventeen participants in the Iguala program.

The requested crosses were made and the seed obtained were returned to each of you with somewhat coded identification of the pollen parent used. Dr. Miravalle, who assisted in selecting suitable plants in Iguala from which to obtain the pollon, has furnished me the following tabular information which may be useful in identifying the pollen parent in the crosses obtained for you:

	Varietal Type	Donor's No.	Iguala No.	Genotype
	Coker	C-064	962	01 ₂ gl ₂ 01 ₃ gl ₃
•	Coker	C-065	963	01 ₂ gl ₂ 01 ₃ gl ₃
	Auburn 56	Au. 153 - 154	1132	G1 ₂ g1 ₂ G1 ₃ g1 ₃
	Empi re	Au. 155 - 156	1133	Gl ₂ gl ₂ Gl ₃ gl ₃
	Plains	Au. 157 - 158	1134	01 ₂ g1 ₂ 01 ₃ g1 ₃
	M8948 (doubled haploid of Deltapine 14)	D.E.S. 15, 16 & 17	1277, 1278 & 1279	012 812 013 813
1	Mll (doubled haploid of Empire)	D.E.S. 39	1827	Gl ₂ gl ₂ Gl ₃ gl ₃
	Acala	Sh. 011	840	sla sla sla sla

1. Special Characteristics

- a. Seed: Rounded shape and medium large in size; glandless
- b. Seedling: First fruiting branch is higher than Watson GL-16, Lankart Selection 57 or Lankart Selection 611 Varieties of stripper cotton. The first fruiting branch is formed on 80% of the plants at the sixth True Leaf node.
- c. Flowering Stage: Rogers GL-6 flower is as large or larger than the varieties above. The inner base of the flower shows a slight yellow coloration upon first opening. Pollen, white.
- d. Fruiting Stage: The glandless boll is larger up to 6" in circumference rounded in shape as contrasted to pointed bolls of other varieties. The boll is of the stormproof type, ie, does not open up fully and permit the locks to fluff out.

2. Mature Plant

Rogers GL-6 is a determinate type (as opposed to indeterminate openboll picker varieties). It possesses medium short internodes, but is not a cluster type as to boll set. Bolls are formed on the inner nodes of the fruiting branches, but not up and down the central stem. Rogers GL-6 reacts readily with defoliants if compared to a thicker leaf variety.

Compared to a similar commercial variety of glandless cotton, Watson GL-16, a Texas Certified variety, Rogers GL-6 is more compact, and fruits earlier. The flower is larger, possesses less yellow pigments, and fruits closer to the main stem. Average leaf size of Rogers GL-6 is larger than Watson GL-16. Seed size of Rogers GL-6 is larger and more round than Watson GL-16. Fiber of Rogers GL-6 is stronger and longer than Watson GL 16.

FORM APPROVED. OMB NO. 40-R3712

EXHIBIT C

FORM GR-470-8 (10-2-72)

UNITED STATES DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE GRAIN DIVISION HYATTSVILLE, MARYLAND 20782 OBJECTIVE DESCRIPTION OF VARIETY

(Cotton)

DARK OF APPLICATION Segers Delinted Cottonseed Co. Denists (Storet and Not or R.F.D. No., City, State, and ZIP Code) P.O.BOX 1340, Waco, Texas 76703 Place the appropriate number that describes the varietal character of this variety in the boxes below. Place a zero in first box (**-** [0] 8] 9 or [0] 9) when number is sixter 99 or less or 9 or less. P.O.BOX 1340, Waco, Texas 76703 Place the appropriate number that describes the varietal character of this variety in the boxes below. Place a zero in first box (**-** [0] 8] 9 or [0] 9) when number is sixter 99 or less or 9 or less. P.O. BOX 1340, Waco, Texas 76703 Place the appropriate number that describes the varietal character of this variety in the boxes below. P.O. BOX 1340, Waco, Texas 76703 Place the appropriate number that describes the varietal character of this variety in the boxes below. P.O. BOX 1340, Waco, Texas 76703 P.O. BOX 1340, Waco, Texas 76704 P.O. BOX 1340, W	NSTRUCTIONS: See Reverse.	COTTON (GOSSYPIUM SPP.)	<u> </u>
Delicing Total and No. or R.P.D. Proc. City, State, and zilf Code P.O.BOX 1340, Waco, Texas 76703 P.O.BOX 1340, Waco, Texas 1840, Waco, Texas 7780, Waco, Wac	NAME OF APPLICANT(S)		
P.O. BOX 1340, Waco, Texas 76703 Place the appropriate number that describes the varietal character of this variety in the boxes below. Place a zero in first box (**e** 0 8 9) o 0 9) when number is either 99 or less or 9 or less. I processor of this box (**e** 0 8 9) o 0 9) when number is either 99 or less or 9 or less. I processor of this box (**e** 0 8 9) when number is either 99 or less or 9 or less. I processor of this box (**e** 0 8 9) when number is either 99 or less or 9 or less. I processor of this box (**e** 0 8 9) when number is either 99 or less or 9 or less. I processor of this box (**e** 0 8 9) when number is either 99 or less or 9 or less. I processor of this box (**e** 0 8 9) when number is either 99 or less or 9 or less. I processor of the service of this variety in the boxes below. Place of this variety in the boxes below. Place of this variety in the boxes below. Place of the service of this variety in the boxes below. Place of the service o	ogers Delinted Cottonseed Co.		
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Regers GL-6 Reger			
Fince a zero in first box (F-A- 0 8 9 or 0 9) when number is either 99 or less or 9 or less. 1	P.O.Box 1340, Waco, Texas 76703		Rogers GL-6
Fince a zero in first box (c-4. 0 8 9 or 0 9) when number is either 99 or less or 9 or less. 1	Place the appropriate number that describes the	varietal character of this variety in th	e boxes below.
1 1 COSSYPIUM HIRSUTUM 2 GOSSYPIUM BARBADENSE 2. AREAIS) OF ADAPTION (0 = Not Tested, 1 = Not Adopted, 2 = Adopted) 3. MATURITY (50% Open Boil): 0 EASTERN 0 DELTA 2 CENTRAL 2 HIGH PLAINS 0 EL PASO AREA 0 WESTERN LOW HOT VALLEYS 0 SAN JOAOUIN OTHER (Specify) 3. MATURITY (50% Open Boil): 0 4 NO. OF DAYS EARLIER THAN 2 1 COKER 310 2 DELTAPINE 16 3 STONEVILLE 213 4 FPAYMASTER 111 5 SACALA 1517-70 6 ACALA 5J-1 7 FOLIAGE SPARSE 2 DENSE 3 1 SPREADING 2 INTERMEDIATE 3 COMPACT 2 3 OTHER (Specify) 3 1 SPREADING 2 INTERMEDIATE 3 COMPACT 2 3 OTHER (Specify) 4 FPAYMASTER 111 5 SACALA 1517-70 6 ACALA 5J-1 7 LANKART 57 8 OTHER (Specify) 5 PLANT HEIGHT: 2 4 FPAYMASTER 111 5 SACALA 1517-70 6 ACALA 5J-1 7 LANKART 57 8 OTHER (Specify) 5 ANN STEME 3 STONEVILLE 213 6 MAIN STEME 7 7 LANKART 57 8 OTHER (Specify) 7 LEAF COLOR: 7 SACALA 1517-70 6 ACALA 5J-1 7 LANKART 57 8 OTHER (Specify) 8 APAYMASTER 111 5 CALALA 1517-70 6 ACALA 5J-1 9 LANKART 57 8 OTHER (Specify) 9	Place a zero in first box (e.g. 0 8 9 or 0 9) when number is ēither 99 or less o	r 9 or less.
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O WESTERN LOW HOT VALLEYS O SAN JOAQUIN OTHER (Specify) 1. MATURITY (50% Open Boil): 1. MATURITY (50% Open Boil): 1. MATURITY (50% Open Boil): 1. COKER 310 2 = DELTAPINE 16 3 = STONEVILLE 213 4 = PAYMASTER 111 5 = ACALA 1817-70 6 = ACALA 5J-1 7 = LANKART 57 8 = OTHER (Specify) 4. PLANT HABIT: 1. 2 CM. SHORTER THAN 2. 1 = SPREADING 2 = INTERMEDIATE 3 = COMPACT 2. 3 = OTHER (Specify) 4 = PAYMASTER 111 5 = ACALA 1817-70 6 = ACALA 5J-1 7 = LANKART 57 8 = OTHER (Specify) 4 = PAYMASTER 111 5 = ACALA 1817-70 6 = ACALA 5J-1 7 = LANKART 57 8 = OTHER (Specify) 6. MAIN STEM: 3 = LEAX 2 = ASCENDING 3 = ERECT 1. 5 = ACALA 1817-70 6 = ACALA 3J-1 7 = LANKART 57 8 = OTHER (Specify) 6. MAIN STEM: 3 = LEAX 2 = ASCENDING 3 = ERECT 1. 5 = ACALA 1817-70 6 = ACALA 3J-1 7 = LANKART 57 8 = OTHER (Specify) 6. MAIN STEM: 3 = LEAX 2 = ASCENDING 3 = ERECT 1. 5 = ACALA 1817-70 6 = ACALA 3J-1 7 = LANKART 57 8 = OTHER (Specify) 9. LEAF: 1 = GLABROUS HAIRS AS SPARSE AS 0, SMOOTH! 1 = VIRESCENT VELLOW 2 = LIGHT GREEN 3 = DARK GREEN (Acala 442) 4 = RED 1 = VIRESCENT VELLOW 2 = LIGHT GREEN 3 = DARK GREEN (Acala 442) 4 = RED 1 = VIRESCENT VELLOW 2 = LIGHT GREEN 3 = DARK GREEN (Acala 442) 4 = RED 1 = CREAM 2 = YELLOW 1 = CREAM 2 = YELLOW 1 = CREAM 2 = YELLOW 1 = CREAM 1 = CREAM 2 = YELLOW 1 = CREAM 2 = YELLOW 1 = CREAM 1 = CREAM 1 = CREAM 1 = CREAM 2 = YELLOW 1 = CREAM 1 = CREAM 1 = CREAM 1 = CREAM 2 = YELLOW 2 = HIGH BUD GOSSYPOL 2 = HIGH BUD GOSSYPOL	2. AREA(S) OF ADAPTION (0 = Not Tested, 1 = Not	Adapted, 2 = Adapted):	
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1 2 CM. SHORTER THAN 2	1 = SPREADING 2 = INTERMEDIATE	3 = COMPACT Z	3 = OTHER (Specify)
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1 0 CM. TALLER THAN	1 2 CM. SHORTER THAN	2 /	
6. MAIN STEM: 3	1 0 CM. TALLER THAN		OTHER(Specify)
3	6. MAIN STEM:		
2 = SMOOTH LEAF (DELTAPINE SMOOTH LEAF) 3 = PUBESCENT (STONEVILLE 213) 4 = HEAVY PUBESCENCE (H ₁ OR H ₂) 5 = OTHER (Specify) 9. LEAF COLOR: 1 = VIRESCENT YELLOW 2 = LIGHT GREEN 3 = DARK GREEN (Acala-442) 4 = RED 5 = OTHER (Specify) 10. LEAF TYPE: 1 = 1 = NORMAL 2 = OKRA 3 = SUPER OKRA 4 = OTHER (Specify) 11. FLOWER: 2 1 = NECTARILESS 2 = NECTARIED 1 Potals: 1 = CREAM 2 = YELLOW 1 Pollen: 1 = CREAM 2 = YELLOW 12. FRUITING BRANCH TYPE: 2 1 = CLUSTER 2 = SHORT 3 = NORMAL 1 1 = DETERMINATE 2 = INDETERMINATE 13. GOSSYPOL CONDITION: 1 = GLANDLESS 2 = REDUCED GLANDS 3 = NORMAL GLANDS 1 = NORMAL BUD GOSSYPOL 2 = HIGH BUD GOSSYPOL 2 = HIGH BUD GOSSYPOL 2 = HIGH BUD GOSSYPOL	3] = Lax 2 = Ascending 3 = ERECT	17 5 1 1 1 1 1 1 1	· · · · · · · · · · · · · · · · · · ·
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The state of the s	II_ 1	J - NORMAL GLANDS	
I = SPARSE (GREGG 35) Z = MODERATE (UPL-16)		•	2 - MODERATE (DD) 45)
1 2.5 ± 1.5 SEED INDEX (Fuzzy seed basis) 2 Seed Fuzz: 3 = HEAVY (ACALA SJ-1) 4 = OTHER (Specify)	1 2 5 + 1 5 SEED INDEX	<u> </u>	J



ROGERS DELINTED COTTONSEED CO.

P. O. DRAWER 1340 | PHONE 817-752-0328 | WACO, TEXAS 76703

December 4, 1973

Mr. J. J. Higgins, Examiner Plant Variety Protection Office Grain Division U. S. Department of Agriculture 6525 Belcrest Road Hyattsville, Maryland 20782

Dear Mr. Higgins:

Subject: Application No. 72059

Cotton - Rogers GL-6

In reply to your inquiry of November 28, 1973, about which we spoke by phone on Friday, November 30, I submit the following answers to your questions:

Question 1: Does this variety also represent the variety it most

closely resembles?

Answer: No. Please refer to geneology under Exhibit A.

W6 X Des 15 is Watson GL-16. You will note that Rogers GL-6

does not genetically represent Watson GL-16.

Question 2: How many varieties are similar to Watson GL-16 and in

what way?

Answer: We have no varieties genetically like Watson GL-16. We

have not seen any other strain or variety of glandless cotton like Watson GL-16, though other breeders may have lines which have not been released to public observation. Watson GL-16 is a Deltapine glandless type crossed upon Watson B-29, a storm-resistant stripper cotton. Watson GL-16 basically resembles the delta cottons, but with a tighter and larger boll. Any storm-resistant delta type could resemble Watson GL-16, with Watson GL-16 being a little shorter if planted side by side, and of course, it is glandless as compared to the standard delta varieties.

Question 3: If Rogers GL-6 most closely resembles another variety......

Answer:

Rogers GL-6 most resembles Lankart Selection 57 in general appearance. Note again that Lankart 57 was used in one of the lines (see geneology) to produce Rogers GL-6. Selection pressure was made to produce a stripper cotton; Lankart 57 is a good stripper type and serves as a model. The boll placement, size, and ease of stripping all lend themselves to mechanical harvesting. Hence, the similarity in appearance. The major differences between Lankart 57 and Rogers GL-6 are as follows:

- 1. Rogers GL-6 is glandless; Lankart 57 is not.
- 2. Rogers GL-6 plant height is approximately 15% taller under similar conditions.
- 3. Rogers GL-6 is less determinate
- 4. Rogers GL-6 has more tolerance to Angular Leaf Spot disease.
- 5. Rogers GL-6 seedling vigor exceeds that of Lankart 57
- 6. The kernel of Rogers GL-6 is tightly enclosed by the seed coat. Lankart 57 kernels do not completely fill the hull and when mature and dry will rattle in the hull.

Comparing the two glandless varieties that we have observed being grown commercially, Rogers GL-6 does not resemble either of them...Gregg or Lambright.

I hope that this information will suffice. We have not reselected within a variety to produce a "new" variety, but have an entirely new and different genetic background than any other known line. At present, we know of no other similar glandless varieties that resemble Rogers GL-6.

Yours very truly,

7. M Alus

ROGERS DELINTED COTTONSEED CO.

E. N. Stiver, Vice President and Director of Research

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EXHIBIT E, Statement of the Basis of Applicant's Ownership

On August 25, 1967, Mr. Walter R. Watson, owner of Ferris Watson Seed Company, Garland, Texas, and Rogers Delinted Cottonseed Co., Waco, Texas, jointly signed a contract transferring breeding lines and variety selection to Rogers Delinted Cottonseed Co., in the event of Mr. Watson's death, and that the estate of Mr. Watson be re-imbursed as agreed. Mr. Watson passed away in 1969 and the work has been carried on by Rogers Delinted Cottonseed Co. A copy of this contract is available upon request.

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TO ALL TO WHOM THESE PRESENTS SHALL COME:

Rogers Delinted Yottonseed Company

TUlhcreas, There has been presented to the

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, Therefore, this certificate of plant variety protection is to grant unto the said applicant(s) and the successors, heirs or assigns of the said applicant(s) for the term of Seventeen years from the date of this grant, subject to the payment of the required fees and periodic replenishment of viable basic seed of the variety in a public repository as provided by LAW, the right to exclude others from selling the variety, or offering it for sale, or reproducing it or importing it, or exporting it, or using it in producing a hybrid or different variety therefrom, to the extent provided by the Plant Variety Protection Act. The United States seed of this variety (1) shall be sold by variety name only as lass of certified sefd and (2) shall conform to the number of generations field by the owner of the rights. (84 stat. 1542, as amended, 7 u.s.c. 2321 et seq.)

COTTON

'Rogers GL-6

In Testimony Wanevert, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington this 18th day of January in the year of our Lord one thousand nine hundred and seventy-tour

Karl L. But

Secretary of Agriculture

Attost.

Sollan

Commissioner

Plant Variety Protection Office
Grain Division

Agricultural Markoting Service